

# *Invasive Pests Watch List*



*Gypsy Moth*



*Emerald Ash Borer*

Nonnative species pose a threat to Kansas forests, landscape, agriculture, natural ecosystems and public well-being. If you see any of these pests, please contact the Kansas Department of Agriculture!



*Asian  
Longhorned Beetle*



*Japanese Cedar  
Longhorn Beetle*



*Imported Fire Ant*

**Gypsy Moth (*Lymantria dispar* Linnaeus)** - Adult moths are rather large, with a wingspan of 1.5 inches for males and up to 2.5 inches for females. The male is dark brown, and the female light gray with dark wavy bands across the wings. The male is a strong flier, but the female is so heavy bodied that she cannot fly.

**Emerald Ash Borer (*Agrilus planipennis* Fairmaire)** - Adults are slender, elongate and 7.5 to 13.5 mm long. Males are smaller than females and have fine hairs on the ventral side of the thorax, which the females lack. Color varies but adults are usually bronze or golden green overall, with darker, metallic, emerald green wing covers. The top of the abdomen under the wings is metallic purplish red and can be seen when the wings are spread. The prothorax, the segment behind the head to which the first pair of legs is attached, is slightly wider than the head but the same width as the base of the wing covers.

**Asian Longhorned Beetle (*Anoplophora glabripennis*)** - Individuals are .75 to 1.25 inches long with jet black body and mottled white spots on the back. The long antennae are 1.5 to 2.5 times the body length with distinctive black and white bands on each segment. The feet and antennae may have a bluish tinge.

**Japanese Cedar Longhorn Beetle (*Callidiellum rufipenne* Motschulsky)** - Adults of *C. rufipenne* are moderate sized, robust, somewhat depressed, and 6-13 mm long. They have hardened anterior wings (or elytra) that are coarsely punctate. The male is black with reddish humeri (based at angles or shoulders of the elytra); the female has reddish or testaceous elytra. They can be distinguished from the related genus *Semanotus* by the principal segment of the legs (femora) being strongly and gradually thickened toward the tip, by the antennae being slender and cylindrical with the second segment elongated, by the dorsal surface of the prothorax (pronotum) being weakly or sparsely punctate, and by the pronotum having a pair of feebly developed and thickened elevations or swellings (callosities), one on each side of the midline.

**Imported Fire Ant (*Solenopsis invicta* Buren)** - The pedicel, or "waist" in the RIFA consists of two segments. Workers consist of many sizes (polymorphic) between 2.4 to 6 mm (1/8 to 1/4 in) (Hedges 1998). The mandible has four distinct teeth and the antennae are 10-segmented, ending in a two-segmented club. A sting is present at the tip of the gaster. Body color is usually red to brown in color with a black gaster (Hedges 1997). Fire ants are similar to common ant species. Nests vary in shapes and sizes, the internal structure is honeycomb-like. They can appear dome-shaped up to 40cm high and usually have no obvious entry or exit hole. Mounds are usually found in open areas such as lawns, pastures, roadsides and unused cropland, but rarely occur in frequently cultivated areas. The red imported fire ant should not be confused with those species which are commonly called fire ants.

#### **If you suspect you have found one of these pests:**

1. Collect a specimen if possible. More than one specimen is helpful for identification. At least 10 individuals are requested for ant identification.
2. Preserve ants and beetles in alcohol.
3. Place moth specimens in a container or plastic bag and freeze.
4. Record the location noting land marks, a legal description or physical address.
5. Describe the situation where the pest was found (landscape, forest, park, roadside, cropland).
6. Note pest level of occurrence (single pest, low, moderate, high).
7. Contact the Kansas Department of Agriculture Plant Protection and Weed Control.

Tom Sanders 2006

**Kansas Department of Agriculture • Plant Protection and Weed Control**  
**P.O. Box 19282 • Forbes Field, Building 282 • Topeka, KS 66619-0282**  
**(785) 862-2180 • (785) 862-2182 (fax) • [www.ksda.gov](http://www.ksda.gov)**